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TECH CENTER 1600/2900

RAW SEQUENCE LISTING

DATE: 01/27/2004

PATENT APPLICATION: US/09/774,681A

TIME: 13:12:59

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        LUSTGARTEN, JOSEPH
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        SPECIFIC FOR HUMAN HLA-RESTRICTED TUMOR ANTIGENS
 9 <130> FILE REFERENCE: 48340/55793-DIV
11 <140> CURRENT APPLICATION NUMBER: 09/774,681A
12 <141> CURRENT FILING DATE: 2001-02-01
14 <150> PRIOR APPLICATION NUMBER: 08/812,393
15 <151> PRIOR FILING DATE: 1997-03-05
17 <150> PRIOR APPLICATION NUMBER: 60/012,845
18 <151> PRIOR FILING DATE: 1996-03-05
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43 Gln Ile Cys Trp Leu Lys Glu Gln Gln Val Gln Gln Ser Pro Ala Ser
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                                    25
46 ttg gtt ctg cag gag ggg gag aac gca gag ctc cag tgt agc ttt tcc
47 Leu Val Leu Gln Glu Gly Glu Asn Ala Glu Leu Gln Cys Ser Phe Ser
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50 atc ttt aca aac cag gtg cag tgg ttt tac caa cgt cct ggg gga aga
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51 Ile Phe Thr Asn Gln Val Gln Trp Phe Tyr Gln Arg Pro Gly Gly Arg
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55 Leu Val Ser Leu Leu Tyr Asn Pro Ser Gly Thr Lys Gln Ser Gly Arg
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58 ctq aca tcc aca aca qtc att aaa gaa cqt cqc aqc tct ttg cac att
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59 Leu Thr Ser Thr Thr Val Ile Lys Glu Arg Arg Ser Ser Leu His Ile
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62 tee tee tee cag ate aca gae tea gge act tat ete tgt gee tea aat
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DATE: 01/27/2004 PATENT APPLICATION: US/09/774,681A TIME: 13:12:59

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68 115 120 125	
70 tct gtt aaa tca ggt ggc gga ggg tct ggc ggg ggt gga tcc ggg gg	
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72 130 135 140	
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96 225 230 235 24	o . g 768
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PATENT APPLICATION: US/09/774,681A DATE: 01/27/2004 TIME: 13:12:59

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Output Set: N:\CRF4\01272004\I774681A.raw

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PATENT APPLICATION: US/09/774,681A TIME: 13:12:59

DATE: 01/27/2004

Input Set : A:\4835579d.app

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 235 Asn Pro Gln Glu Gly Leu Tyr Asn Glu Leu Gln Lys Asp Lys Met Ala
                        390
                                            395
 238 Glu Ala Tyr Ser Glu Ile Gly Met Lys Gly Glu Arg Arg Arg Gly Lys
                    405
                                        410
 241 Gly His Asp Gly Leu Tyr Gln Gly Leu Ser Thr Ala Thr Lys Asp Thr
 242 420
                                    425
. 244 Tyr Asp Ala Leu His Met Gln Ala Leu Pro Pro Arg
 245
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 249 <211> LENGTH: 24
 250 <212> TYPE: DNA
 251 <213> ORGANISM: Artificial Sequence
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 254 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
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 257 cccaaggcac tgatgttcat cttc
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 261 <211> LENGTH: 27
 262 <212> TYPE: DNA
 263 <213> ORGANISM: Artificial Sequence
 265 <220> FEATURE:
 266 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
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 269 tgagacaaag tccccaatct ctgacag
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 272 <210> SEQ ID NO: 5
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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/774,681A TIME: 13:12:59

DATE: 01/27/2004

Input Set : A:\4835579d.app

Output Set: N:\CRF4\01272004\I774681A.raw

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- 274 <212> TYPE: DNA
- 275 <213> ORGANISM: Artificial Sequence
- 277 <220> FEATURE:
- 278 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
- 280 <400> SEQUENCE: 5
- 281 ctgcagctgc tcctcaagta ctattc 26
- 284 <210> SEQ ID NO: 6
- 285 <211> LENGTH: 28
- 286 <212> TYPE: DNA
- 287 <213> ORGANISM: Artificial Sequence
- 289 <220> FEATURE:
- 290 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
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- 293 tcccggagaa ggtccacagt tcctcttt
 - cacagt teetettt 28
- 296 <210> SEQ ID NO: 7
- 297 <211> LENGTH: 29
- 298 <212> TYPE: DNA
- 299 <213> ORGANISM: Artificial Sequence
- 301 <220> FEATURE:
- 302 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
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- 310 <212> TYPE: DNA
- 311 <213> ORGANISM: Artificial Sequence
- 313 <220> FEATURE:
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- 317 ggcaggtctt cagttgctta tgaaggt . 27
- 320 <210> SEQ ID NO: 9
- 321 <211> LENGTH: 27
- 322 <212> TYPE: DNA
- 323 <213> ORGANISM: Artificial Sequence
- 325 <220> FEATURE:
- 326 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
- 328 <400> SEQUENCE: 9
- 329 ggttcctctt cagggtccag aatatgt
- 332 <210> SEQ ID NO: 10
- 333 <211> LENGTH: -27
- 334 <212> TYPE: DNA
- 335 <213> ORGANISM: Artificial Sequence
- 337 <220> FEATURE:
- 338 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
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- 341 gcgaagaact caccctggac tgttcat
- 344 <210> SEO ID NO: 11
- 345 <211> LENGTH: 30

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27

RAW SEQUENCE LISTING ERROR SUMMARY

DATE: 01/27/2004

PATENT APPLICATION: US/09/774,681A

TIME: 13:13:00

Input Set : A:\4835579d.app

Output Set: N:\CRF4\01272004\I774681A.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:2; Line(s) 245

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/774,681A

DATE: 01/27/2004 TIME: 13:13:00

Input Set : A:\4835579d.app